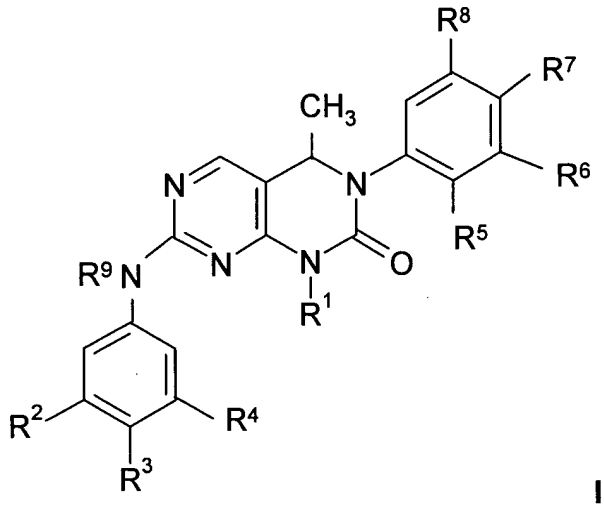
This listing of the claims will replace all prior versions and listings of the claims in this application.

In the Claims:

1. (Original) A compound of formula:



I,

or a pharmaceutically acceptable salt thereof, wherein

R^1 is selected from the group

H,

C_{1-10} alkyl,

C_{1-10} alkyl substituted by up to three groups selected from aryl, cycloalkyl, heteroaryl, heterocycle, $NR^{10}R^{11}$, OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2, wherein the aryl, cycloalkyl, heteroaryl, and heterocycle groups may each independently be substituted by up to three groups selected from $NR^{10}R^{11}$, OR^{12}, SR^{12}, , halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2,

aryl,

aryl substituted by up to three groups selected from lower alkyl, $NR^{10}R^{11}$, OR^{12}, SR^{12}, , halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2,

heteroaryl,

heteroaryl substituted by up to three groups selected from lower alkyl, $NR^{10}R^{11}$, , OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2,

heterocycle,

heterocycle substituted by up to three groups selected from lower alkyl, $NR^{10}R^{11}$, OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2,

C_{3-10} cycloalkyl,

C_{3-10} cycloalkyl substituted by up to three groups selected from lower alkyl $NR^{10}R^{11}$, OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2,

C_{2-10} alkenyl,

C_{2-10} alkenyl substituted by up to three groups selected from $NR^{10}R^{11}$, OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2, and

C_{2-10} alkynyl, substituted by up to three groups selected from $NR^{10}R^{11}$, OR^{12}, SR^{12}, halogen, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, $SO_2NR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, CN and NO_2;

R^2, R^3 and R^4 are independently selected from the group consisting of

H,

halogen,

COR^{13},

CO_2R^{13},

$CONR^{13}R^{14}$,

$SO_2NR^{13}R^{14}$,

SOR^{13},

SO_2R^{13},

CN, and

NO_2;

R^5, R^6, R^7 and R^8 are independently selected from the group

H,

lower alkyl,

lower alkyl substituted by hydroxy or alkoxy,

$NR^{15}R^{16}$,

OH,

OR^{17},

SR^{17},

halogen,

COR^{17},

CO_2R^{17},

$CONR^{17}R^{18}$,

$SO_2NR^{17}R^{18}$,

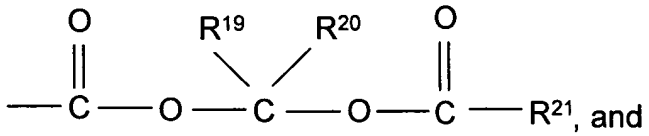
SOR^{17},

SO_2R^{17}, and

CN;

R^9 is selected from the group

H,



, and

COR^{17};

R^{10} and R^{11} are independently selected from the group

H,
COR^{13},
CO_2R^{13},
$CONR^{13}R^{14}$,
SO_2R^{13},
$SO_2NR^{13}R^{14}$,
lower alkyl,
lower alkyl substituted by hydroxy, alkoxy or $NR^{15}R^{16}$,
cycloalkyl,
cycloalkyl substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$,
heterocycle, and
heterocycle substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$,

or, alternatively, $NR^{10}R^{11}$ can form a ring having 3 to 7 atoms, said ring optionally including one or more additional hetero atoms and being optionally substituted by the group consisting of one or more lower alkyl, OR^{12}, COR^{13}, CO_2R^{13}, $CONR^{13}R^{14}$, SOR^{13}, SO_2R^{13}, and $SO_2NR^{13}R^{14}$;

R^{12} is selected from the group

H,
lower alkyl,
COR^{13},
$CONR^{13}R^{14}$,
C_{2-6} alkyl substituted by hydroxy, alkoxy, or $NR^{15}R^{16}$, cycloalkyl,
cycloalkyl substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$,
heterocycle, and
heterocycle substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$;

R^{13} and R^{14} are independently selected from the group

H,

lower alkyl,

C_{2-6} alkyl substituted by hydroxy, alkoxy, or $NR^{15}R^{16}$,

cycloalkyl,

cycloalkyl substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$,

heterocycle, and

heterocycle substituted by hydroxy, alkoxy, lower alkyl, or $NR^{15}R^{16}$,

or , alternatively, $NR^{13}R^{14}$ can form a ring having 3 to 7 atoms, said ring optionally including one or more additional hetero atoms and being optionally substituted by the group consisting of one or more lower alkyl, OR^{17}, COR^{17}, CO_2R^{17}, $CONR^{17}R^{18}$, SO_2R^{17}, and $SO_2NR^{17}R^{18}$;

R^{15} is selected from the group

H,

lower alkyl,

COR^{17}, and

CO_2R^{17}; and

R^{16}, R^{17} and R^{18} are independently selected from the group

H, and

lower alkyl,

or, alternatively, $NR^{15}R^{16}$ and $NR^{17}R^{18}$ can each independently form a ring having 3 to 7 atoms, said ring optionally including one or more additional hetero atoms;

R^{19} and R^{20} are independently selected from the group

H, and

lower alkyl; and

R^{21} is selected from

lower alkyl, and

C_{2-6} alkyl substituted by hydroxy, alkoxy or $NR^{15}R^{16}$,

or a pharmaceutically acceptable salt thereof.

2. (Original) The compound of claim 1 wherein R^1 is selected from aryl and aryl substituted by OR^{12} or $CONR^{13}R^{14}$.

3. (Original) The compound of claim 1 wherein R^1 is selected from lower alkyl and C_{2-6} alkyl substituted by OR^{12} or $CONR^{13}R^{14}$.

4. (Original) The compound of claim 2 wherein R^2 is H.

5. (Original) The compound of claim 3 wherein R^2 is H.

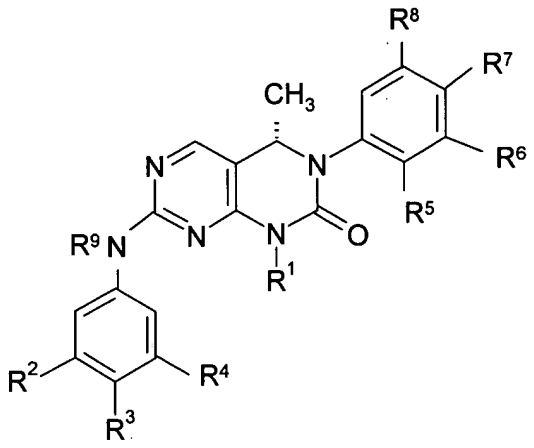
6. (Original) The compound of claim 1 wherein R^3 is H.

7. (Original) The compound of claim 1 wherein R^2 and R^3 are H.

8. (Original) The compound of claim 1 wherein R^2, R^3 and R^4 are H.

9. (Original) The compound of claim 1 wherein R^3 is halogen.

10. (Original) The compound of claim 1 having the formula



Ia.

11. (Original) A compound selected from the group:

(±)-3-(4-Methoxy-phenyl)-4-methyl-1-phenyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Methoxy-phenyl)-4-(R)-methyl-1-phenyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Methoxy-phenyl)-4-(S)-methyl-1-phenyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-1,3-Bis-(4-methoxy-phenyl)-4-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-3-[3-(4-Methoxy-phenyl)-4-methyl-2-oxo-7-phenylamino-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzonitrile; and

(±)-3-[3-(4-Methoxy-phenyl)-4-methyl-2-oxo-7-phenylamino-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzamide.

12. (Original) A compound selected from the group:

(±)-3-(2-Fluoro-4-methoxy-phenyl)-4-methyl-1-phenyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-3-[3-(2-Fluoro-4-methoxy-phenyl)-4-methyl-2-oxo-7-phenylamino-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzonitrile;

(±)-3-[3-(2-Fluoro-4-methoxy-phenyl)-4-methyl-2-oxo-7-phenylamino-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzamide;

(±)-3-(2-Chloro-5-methoxy-phenyl)-4-methyl-1-phenyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; and

1-(2-Hydroxy-1-(S)-methyl-ethyl)-3-(4-methoxy-phenyl)-4-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one.

13. (Original) A compound selected from the group:

1-(2-Hydroxy-1-(R)-methyl-ethyl)-3-(4-methoxy-phenyl)-4-(R)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-(2-Hydroxy-1-(R)-methyl-ethyl)-3-(4-methoxy-phenyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Methoxy-phenyl)-4-methyl-7-phenylamino-1-[1-(S)-phenyl-ethyl]-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-N-[6-(4-Methoxy-phenyl)-5-methyl-7-oxo-8-phenyl-5,6,7,8-tetrahydro-pyrimido[4,5-d]pyrimidin-2-yl]-N-phenyl-acetamide; and

(±)-1-(trans-4-Hydroxy-cyclohexyl)-3-(4-methoxy-phenyl)-4-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one.

14. (Original) A compound selected from the group:

1-[(1R,3R)-3-Hydroxy-cyclopentyl]-3-(4-methoxy-phenyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-[(1S,3S)-3-Hydroxy-cyclopentyl]-3-(4-methoxy-phenyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-(4-Fluoro-phenylamino)-1-[(1R,3R)-3-hydroxy-cyclopentyl)]-3-(4-methoxy-phenyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-(4-Fluoro-phenylamino)-1-[(1S,3S)-3-hydroxy-cyclopentyl)]-3-(4-methoxy-phenyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

7-(4-Fluoro-phenylamino)-1-(2-hydroxy-1-(R)-methyl-ethyl)-3-(4-methoxy-phenyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Chloro-phenyl)-7-(4-fluoro-phenylamino)-1-(2-hydroxy-1-(R)-methyl-ethyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Chloro-2-fluoro-phenyl)-7-(4-fluoro-phenylamino)-1-(2-hydroxy-1-(R)-methyl-ethyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Chloro-phenyl)-1-(2-hydroxy-1-(R)-methyl-ethyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Chloro-2-fluoro-phenyl)-1-(2-hydroxy-1-(R)-methyl-ethyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-(4-Chloro-phenyl)-1-(3-hydroxy-2-(S)-methyl-propyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one; and

3-(4-Chloro-2-fluoro-phenyl)-1-(3-hydroxy-2-(S)-methyl-propyl)-4-(S)-methyl-7-phenylamino-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one.

15. (Original) A pharmaceutical composition comprising a therapeutically effective amount of a compound of claim 1 and a pharmaceutically acceptable carrier or excipient.

Claims 16 - 17 (Canceled).

18. (Currently amended) ~~The~~ A method of ~~claim 16 wherein the cancer is~~ treating breast, lung, colon or prostate cancer comprising administering a therapeutically effective amount of a compound of claim 1.

19. (Currently amended) ~~The~~ A method of ~~claim 17 wherein the cancer is~~ controlling breast or colon cancer comprising administering a therapeutically effective amount of a compound of claim 1.

20. (Original) A compound selected from the group:

(±)-[1-(2,4-Dichloro-pyrimidin-5-yl)-ethyl]-(4-methoxy-phenyl)-amine;

(±)-7-Chloro-3-(4-methoxy-phenyl)-4-methyl-1-phenyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-{2-Chloro-5-[1-(4-methoxy-phenylamino)-ethyl]-pyrimidin-4-yl}-(4-methoxy-phenyl)-amine;

(±)-7-Chloro-1,3-bis-(4-methoxy-phenyl)-4-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-3-[7-Chloro-3-(4-methoxy-phenyl)-4-methyl-2-oxo-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzonitrile;

(±)-[1-(2,4-Dichloro-pyrimidin-5-yl)-ethyl]-(2-fluoro-4-methoxy-phenyl)-amine;

(±)-7-Chloro-3-(2-fluoro-4-methoxy-phenyl)-4-methyl-1-phenyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

(±)-3-[7-Chloro-3-(2-fluoro-4-methoxy-phenyl)-4-methyl-2-oxo-3,4-dihydro-2H-pyrimido[4,5-d]pyrimidin-1-yl]-benzonitrile; and

(±)-(2-Chloro-5-methoxy-phenyl)-[1-(2,4-dichloro-pyrimidin-5-yl)-ethyl]-amine.

21. (Original) A compound selected from the group:

(±)-7-Chloro-3-(2-chloro-5-methoxy-phenyl)-4-methyl-1-phenyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-[2-(tert-Butyl-diphenyl-silanyloxy)-1-(S)-methyl-ethyl]-7-chloro-3-(4-methoxy-phenyl)-4-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

3-[2-tert-Butyl-diphenyl-silanyloxy-1-(R)-methyl-ethyl]-1-(R)-[1-(2,4-dichloropyrimidin-5-yl)-ethyl]-1-(4-methoxyphenyl)-urea;

3-[2-tert-Butyl-diphenyl-silanyloxy-1-(R)-methyl-ethyl]-1-(S)-[1-(2,4-dichloropyrimidin-5-yl)-ethyl]-1-(4-methoxyphenyl)-urea;

1-[2-(tert-Butyl-diphenyl-silanyloxy)-1-(R)-methyl-ethyl]-7-chloro-3-(4-methoxy-phenyl)-(R)-4-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-[2-(tert-Butyl-diphenyl-silanyloxy)-1-(R)-methyl-ethyl]-7-chloro-3-(4-methoxy-phenyl)-4-(S)-methyl-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one;

1-[1-(2,4-Dichloro-pyrimidin-5-yl)-ethyl]-1-(4-methoxy-phenyl)-3-[1-(S)-phenyl-ethyl]-urea; and

7-Chloro-3-(4-methoxy-phenyl)-4-methyl-1-[1-(S)-phenyl-ethyl)-3,4-dihydro-1H-pyrimido[4,5-d]pyrimidin-2-one.